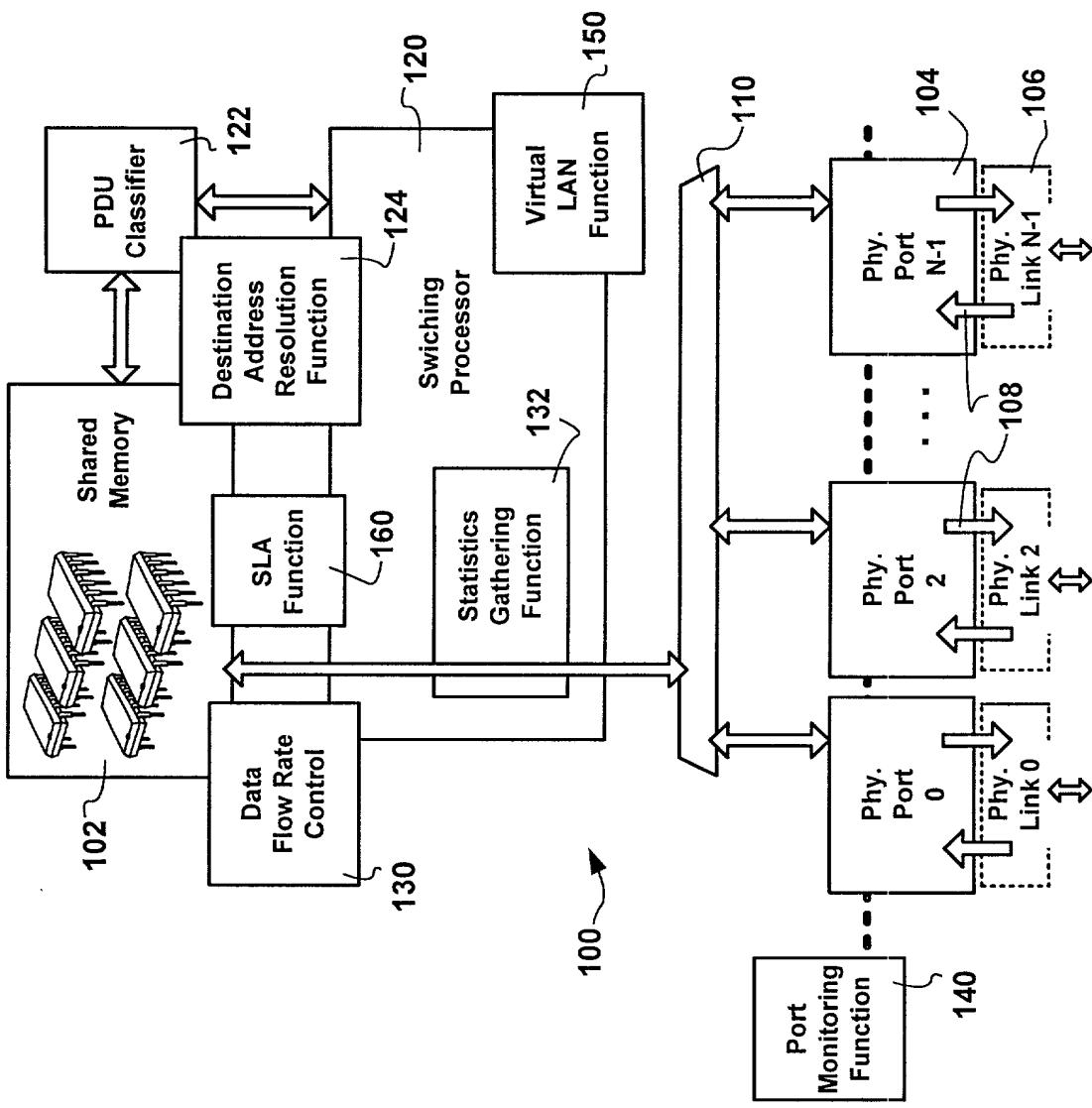


FIG. 1



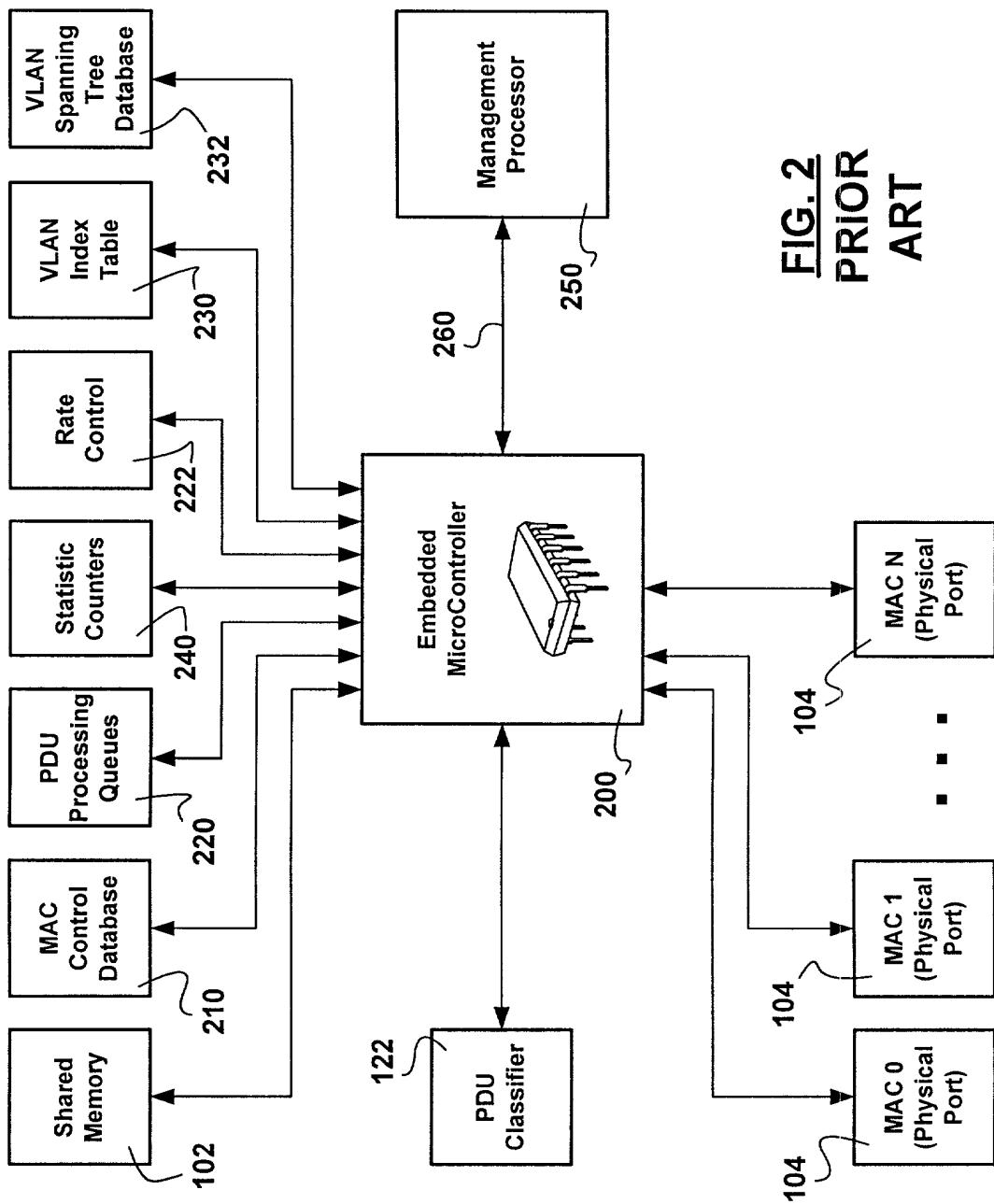


FIG. 2
PRIOR
ART

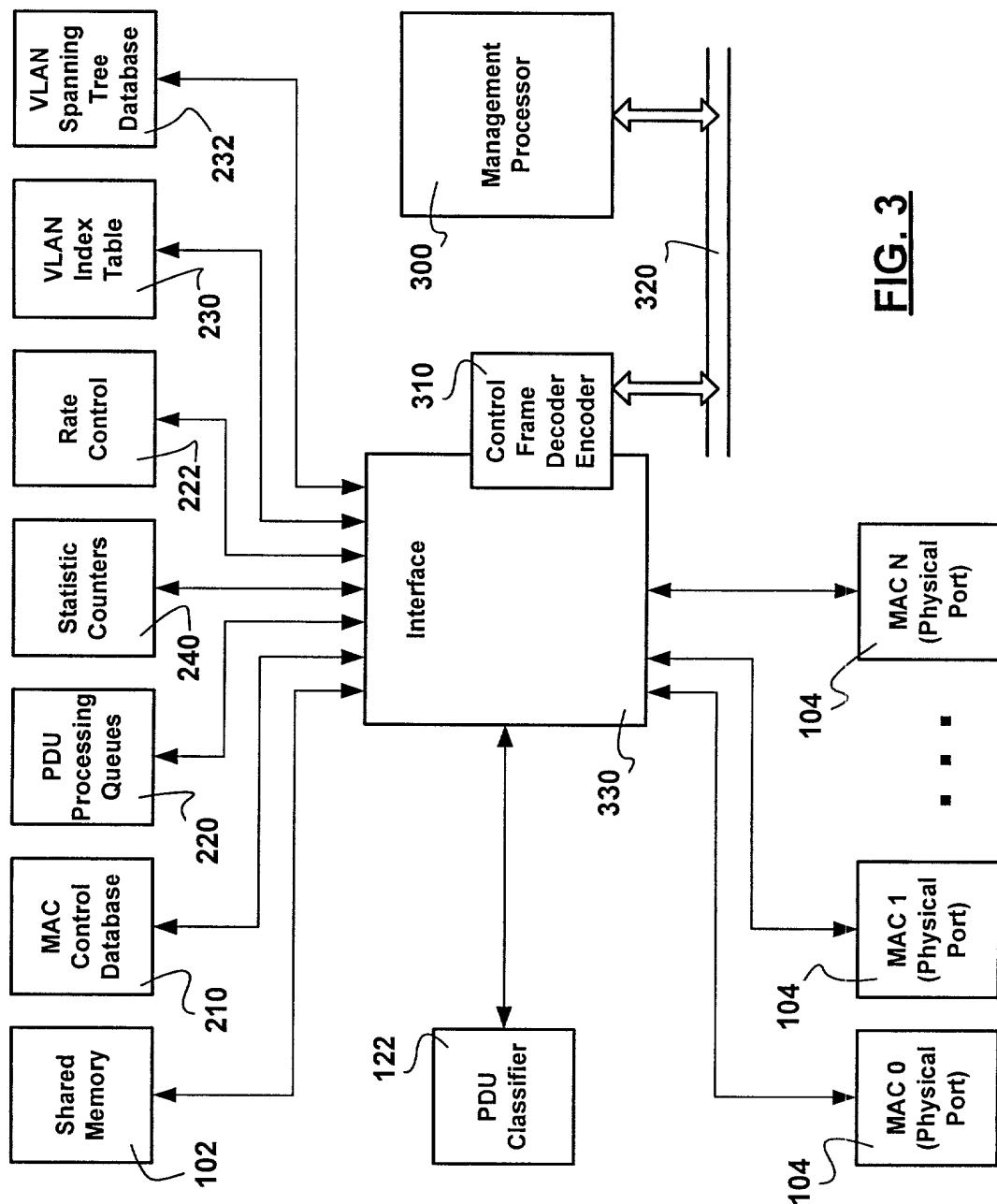


FIG. 3

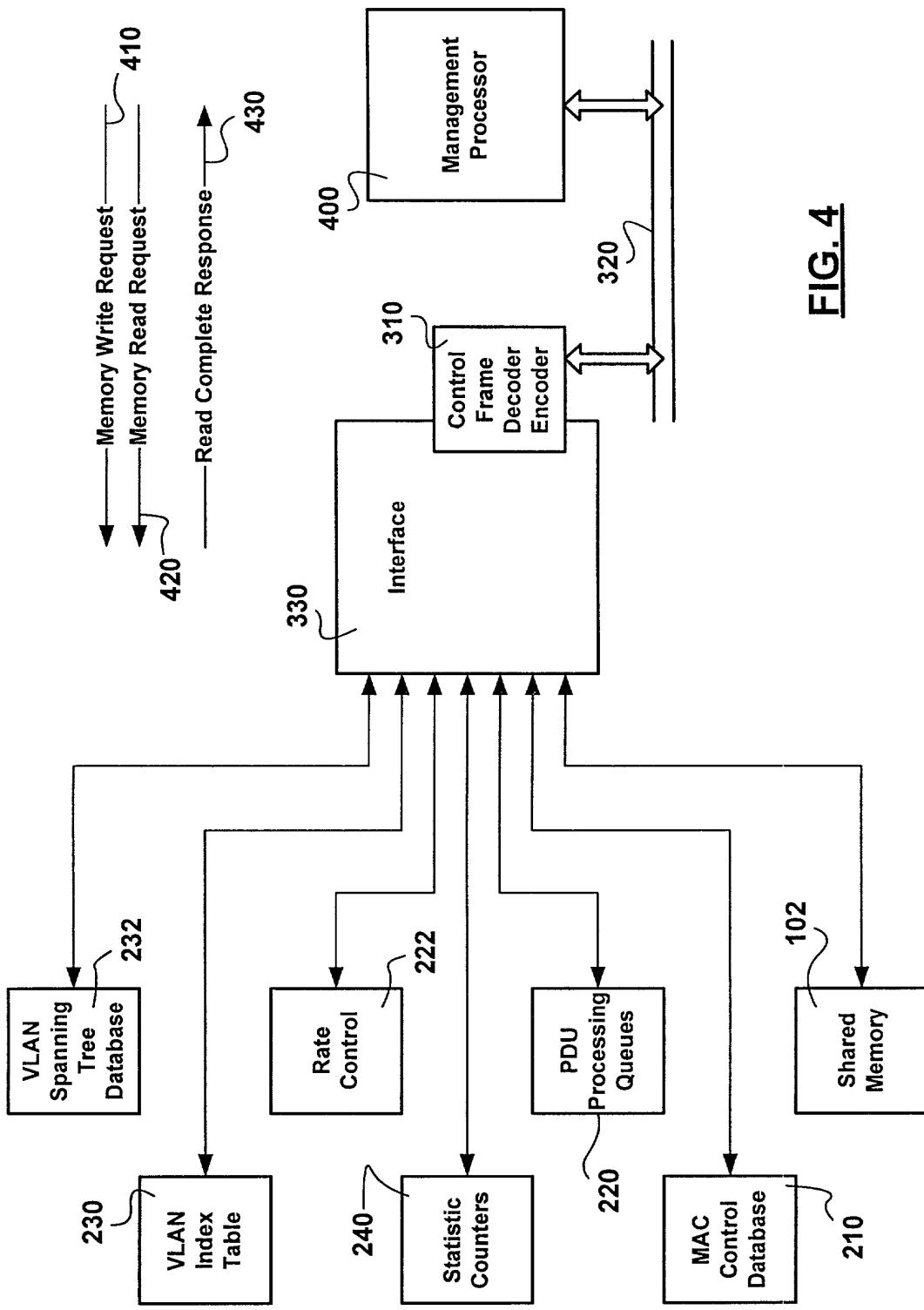


FIG. 4

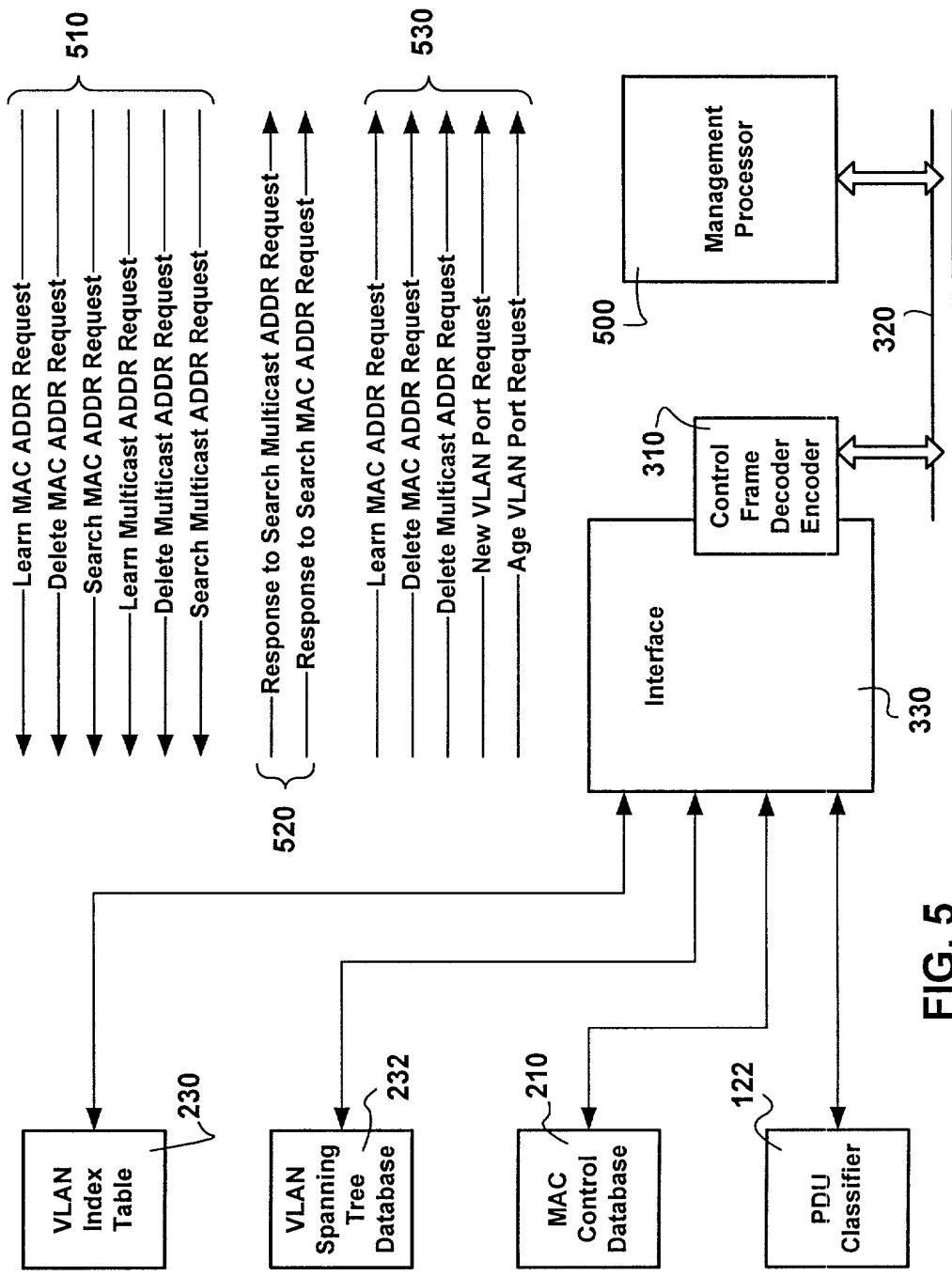


FIG. 5

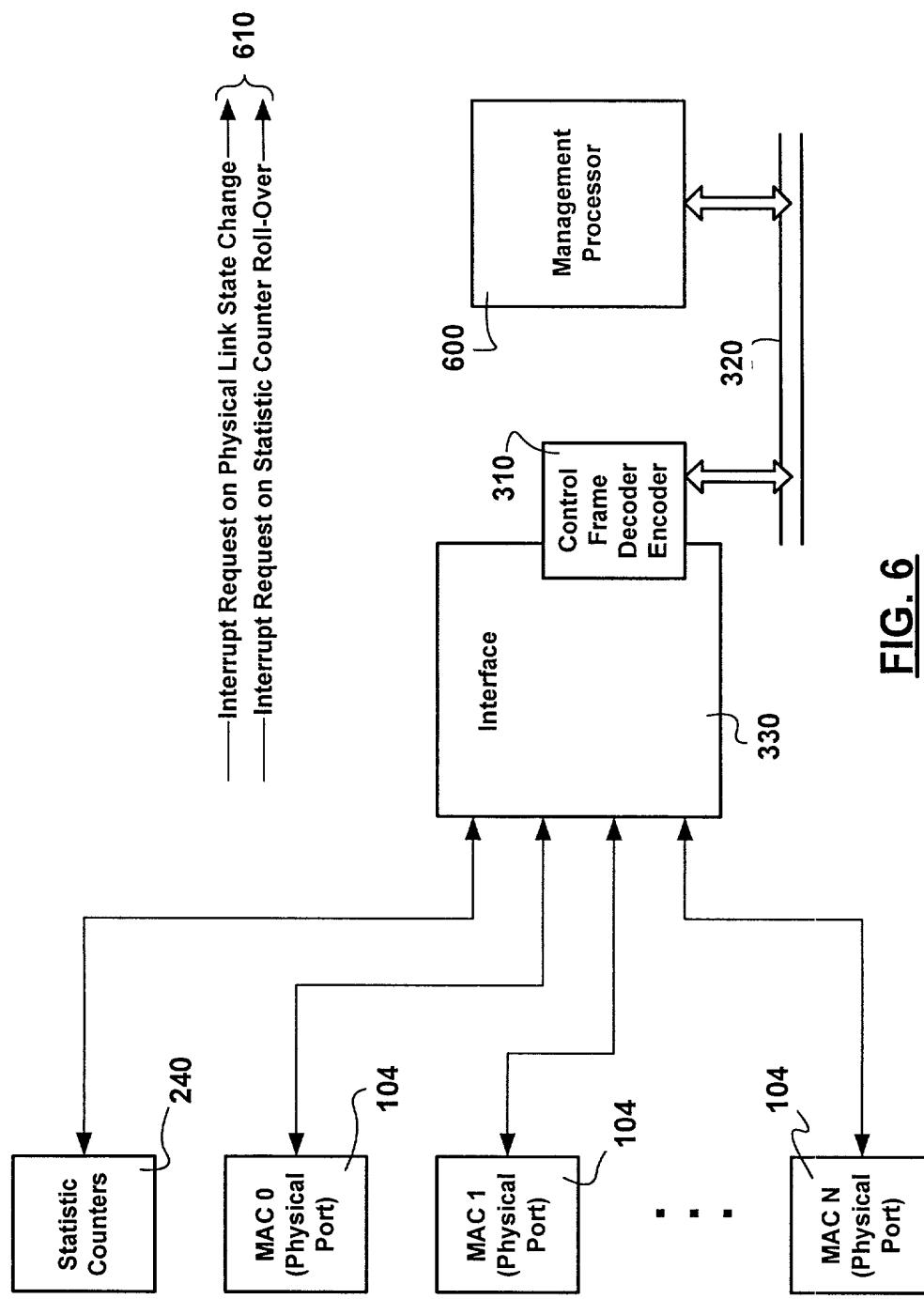


FIG. 6

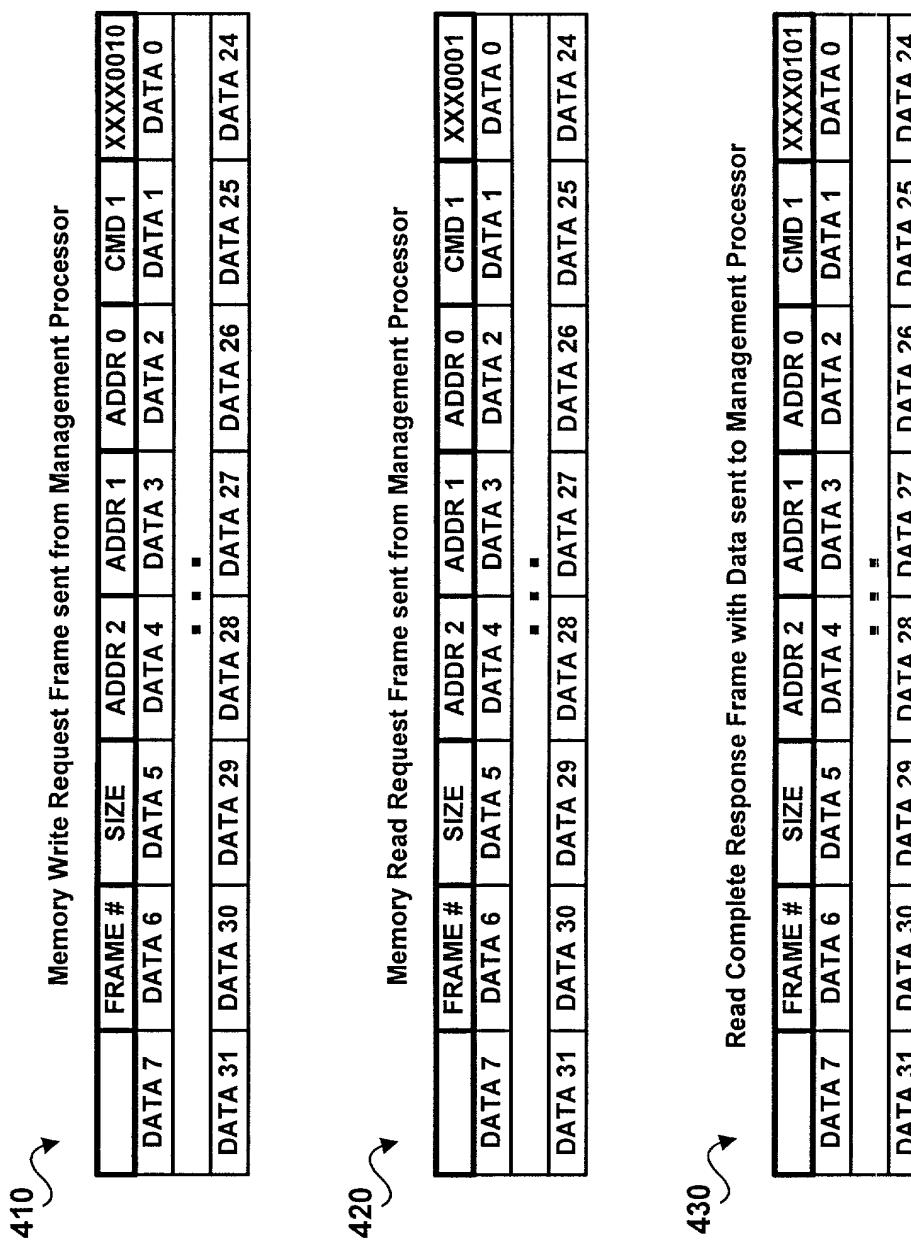


FIG. 7

MAC ADDR Learn Request Frame sent from Management Processor

	FRAME #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXXX0100
PORT #	STAT	MAC 5	MAC 4	MAC 3	MAC 2	MAC 1	MAC 0

MAC ADDR Delete Request Frame sent from Management Processor

	FRAME #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXXX0000
		MAC 5	MAC 4	MAC 3	MAC 2	MAC 1	MAC 0

MAC ADDR Search Request Frame sent from Management Processor

	FRAME #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXXX0011
		MAC 5	MAC 4	MAC 3	MAC 2	MAC 1	MAC 0

Learn Multicast ADDR Request Frame sent from Management Processor

	FRAME #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXXX1100
VLAN IDX		VLAN ID	VLAN ID	IP ADDR 3	IP ADDR 2	IP ADDR 1	IP ADDR 0

Delete Multicast ADDR Request Frame sent from Management Processor

	FRAME #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXXX1000
		VLAN ID	VLAN ID	IP ADDR 3	IP ADDR 2	IP ADDR 1	IP ADDR 0

510: Search Multicast ADDR Request Frame snet from Management Processor

	FRAME #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXXX1011
		VLAN ID	VLAN ID	IP ADDR 3	IP ADDR 2	IP ADDR 1	IP ADDR 0

510 ↗

FIG. 8

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Response Frame to MAC ADDR Search sent to Management Processor

Response Frame to Multicast ADDR Search sent to Management Processor

520

FIG. 9

610

Interrupt Request Frame on Counter Roll-Over sent to Management Processor

PORT #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXXX0111
			INT 3	INT 2	INT 1	INT 0

FIG. 11

Delete Multicast ADDR Request Frame sent to Management Processor

FRAME #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXXX1101
VLAN ID	VLAN ID	IP ADDR 3	IP ADDR 2	IP ADDR 1	IP ADDR 0	
■	■	■	■	■	■	
■	■	■	■	■	■	
■	■	■	■	■	■	

530

Delete MAC ADDR Request Frame sent to Management Processor

PORT #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXX0000
	MAC 5	MAC 4	MAC 3	MAC 2	MAC 1	MAC 0

Learn MAC ADDR Request Frame sent to Management Processor

PORT #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXXX0100
STAT	MAC 5	MAC 4	MAC 3	MAC 2	MAC 1	MAC 0
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■

New VLAN Port Request Frame sent to Management Processor

Age VI: AN Port Request Frame to Management Processor

VLAN IDX	PORT #	SIZE	ADDR 2	ADDR 1	ADDR 0	CMD 1	XXXX1001
						AGED VLAN PORT	
						■ ■ ■	

FIG. 10